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OFFICIAL JOURNAL
OF THE
PLANT VARIETY
PROTECTION OFFICE



PREFACE

The Plant Variety Protection Act, (7 U.S.C. 2321 et. seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office
Grain Division, AMS
U.S. Department of Agriculture
Room 301, National Agricultural Library
Beltsville, Maryland 20705

This issue covers the period from April 1, 197 through June 30, 1976.

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APPLICATIONS RECEIVED

Application No.	Date	Name of applicant(s)	Name of kind	Name of variety (or designation)
**7600066	4/12/76	Northrup, King and Company	soybean	SL492 (3)
7600067	4/13/76	Asgrow Seed Company	bean	XP B40
7600068	4/28/76	DeKalb AgResearch, Inc.	wheat	RL58
7600069	4/28/76	Northrup, King and Company	orchardgrass	Comet
7600070	4/28/76	Northrup, King and Company	orchardgrass	Orbit
7600071	4/29/76	W. Atlee Burpee Company	pumpkin	Triple Treat
7600072	4/29/76	W. Atlee Burpee Company	watermelon	Sugarbush
**7600073	5/4/76	Funk Seeds International	soybean	G-3122 (3)
**7600074	5/4/76	Funk Seeds International	soybean	G-3030 (3)
**7600075	5/4/76	North American Plant Breeders	barley	Summit (3)
**7600076	5/25/76	Colorado State Experiment Station	wheat	Lindon (3)
**7600077	5/27/76	McNair Seed Company	cotton	McNair 220 (3)
7600078	6/3/76	Permission to publish not rec'd.	corn	HPT
**7600079	6/11/76	Germain's, Incorporated	wheat	W-444 (3)
7600080	5/19/76	Bryco Plant Research Division	cotton	Vail 7
**7600081	5/19/76	University of Kentucky	fescue	Kenhy (2)
<u>AMENDMENTS</u>				
**7300100	2/10/76	Cornell University A.E.S.	alfalfa	Multileaf (3)
**7300101	2/10/76	Cornell University A.E.S.	alfalfa	Saranac AR (3)
7400051	1/14/74	Asgrow Seed Company	cauliflower	Snowflower
**7400065	2/10/76	Cornell University A.E.S.	alfalfa	Honeoye (3)
7400090	4/17/74	Pioneer Hi-Bred International, Inc.	corn	AKW
7400091	4/17/74	Pioneer Hi-Bred International, Inc.	corn	APX
7400092	4/17/74	Pioneer Hi-Bred International, Inc.	corn	BLS
7400093	4/17/74	Pioneer Hi-Bred International, Inc.	corn	GOW
7500008	8/15/74	Permission to publish not rec'd.	oat	Coker 234
**7500097	5/30/75	Soil Fertility Dunns Limited	It.ryegrass	Delecta (1)
**7600010	6/16/75	Oklahoma A.E.S.	wheat	Osage (3)
7600032	1/28/76	FMC Corporation	lettuce	Vanagara

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Certificate No.	Issue date	Owner	Name of kind	Name of variety
**7100027	April 5, 1976	Rilcot Seed Co., Division of Riley-Yieldmaster Seed Corp.	cotton	Stripper N (3)
'Stripper N' most closely resembles 'Rilcot 90' but 'Stripper N' is 1-5 days later in maturity, has 0.5 grs larger bolls (5.0-6.0 vs. 4.5-5.5 grs of seed cotton/boll), 1-3 grs higher seed index (10.0-13.0 vs. 9.0-10.0), 0.5 lower micronaire (3.5-4.0 vs. 4.0-4.5), and 0.05 inch longer 2.5% fiber span length (1.01 vs. 0.96 inches) than 'Rilcot 90.'				
**7100047	April 5, 1976	J. Joordens' Zaadhandel B.V.	rough bluegrass	Po-Lis (3)
'Po-Lis' resembles common rough bluegrass except 'Po-Lis' is shorter (38 vs. 51-64 cm), and has shorter and fewer stolons.				
**7300039	April 5, 1976	Kentucky A.E.S.	watermelon	Kengarden
'Kengarden' most closely resembles 'Bush Desert King' but differs by having unlobed leaves and stem internodes that are 1.5-3 cm shorter. 'Kengarden' flesh is dark pink and that of 'Bush Desert King' is yellow.				
**7400006	April 5, 1976	James E. Grundman and Jack W. DeWitt	rice	Terso (3)
'Terso' most closely resembles 'Calrose', 'CSM-3,' and 'Kokuho Rose' rice varieties. 'Terso' differs from 'Calrose' in having glabrous leaf blades and lemmas vs. pubescent, and has longer kernels (6.3 mm vs. 5.6) and translucent vs. opaque kernels. 'Terso' differs from 'CSM-3' in having longer kernels (6.3 mm vs. 5.6) and has translucent vs. opaque kernels. 'Terso' differs from 'Kokuho Rose' in having glabrous leaf blades and lemmas vs. pubescent.				
**7400056	May 14, 1976	Lofts Pedigreed Seed Co.	perennial ryegrass	Yorktown (3)
'Yorktown' most closely resembles 'Manhattan.' 'Yorktown' is 11 days earlier maturing, is darker green, and has greater resistance to <u>Helminthosporium</u> <u>Siccans</u> than 'Manhattan.'				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

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**7500044	May 14, 1976	Crites-Moscow Growers, Inc.	pea	Swinger (3)
'Swinger' most closely resembles 'Early Frosty' but matures 1-2 days later, averages 2 cm shorter in vine height and has pods that are 1 mm narrower.				
7100067	May 14, 1976	James L. Musser and C. A. Davenport	bean	Goldette
'Goldette' is most similar to 'Kingshorn Wax.' The pods of 'Kingshorn Wax' are very curved (J-shaped); whereas, pods of 'Goldette' are straight and 2 cm longer.				
7100081	May 14, 1976	W. Atlee Burpee Company	marigold	Golden Fantastic
'Golden Fantastic' is most similar to 'Orange Fantastic.' According to the RHS 1966 Colour Chart, flowers of 'Golden Fantastic' are yellow-orange 23A; whereas, flowers of 'Orange Fantastic' are a shade deeper than Orange 24A.				
**7300004	May 14, 1976	Adolph Coors Company	barley	Moravian III (3)
'Moravian III' most closely resembles 'Moravian' except that 'Moravian III' has 6 inches shorter straw, a shortened peduncle, a smaller "less ribbony" flay leaf and a more pronounced red venation in the nerves of the lemma than 'Moravian.'				
7500053	May 14, 1976	Mrs. Eunice M. Layton	watermelon	Calsweet
'Calsweet' most closely resembles 'Peacock WR60' except that 'Calsweet' fruit is striped light and dark green, cylindrical (untapered) in shape, and matures 10 days later than 'Peacock WR60.'				
**7500058	May 14, 1976	Otto Bohnert	Kentucky bluegrass	Pacific (3)
'Pacific' resembles 'Merion' more than it does other varieties but 'Pacific' is less erect, has wider (3.19 vs. 2.93 mm) leaves, is more resistant to stripe smut (0.0% vs. 2-10%), panicles are longer (127 mm vs. 95) and wider (90 mm vs. 77), and flag leaves are longer (198 mm vs. 170).				

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**7500059	May 14, 1976	Otto Bohnert	Kentucky bluegrass	Scenic (3)
'Scenic' resembles 'Merion' more than other varieties but 'Scenic' is more erect, has more narrow leaves (2.73 mm vs. 2.93) has longer (123 mm vs. 95) and wider (92 mm vs. 77) panicles, and flag leaves are longer (227 mm vs. 170).				
7500060	May 14, 1976	ACCO Seed	cotton	Paymaster 303
'Paymaster 303' most closely resembles 'Paymaster 111-A,' however 'Paymaster 303' is approximately 10 cm shorter in plant height (65 vs. 75 cm) has a 1.6 percent higher stripped lint percent (24.0 vs. 22.4), has a 4.8 percent less seed cotton per boll, and bolls are less sharply pointed.				
**7500064	May 14, 1976	Funk Seeds International	wheat	W-335 (3)
'W-335' is most similar to 'Santanta.' 'W-335' differs from 'Santanta' by having a recurved flag leaf and susceptibility to soil-borne mosaic virus. 'Santanta' has an erect flag leaf and resistance to soil-borne mosaic virus.				
7500103	May 14, 1976	Delta and Pine Land Co.	cotton	Deltapine 55
'Deltapine 55' most nearly resembles 'Deltapine 16' but 'Deltapine 55' has a 1.7% higher lint percent (37.3 vs. 35.6%), .02 shorter fiber length (1.11 vs. 1.13 inches), and leaves are pubescent vs. smooth leaf type compared to 'Deltapine 16.'				
7600009	May 14, 1976	Agripro, Incorporated	soybean	Shawnee
'Shawnee' is most similar to 'Corsoy' except 'Shawnee' is 3 days later in maturity and is resistant to Phytophthora Root Rot (Race 1); whereas, 'Corsoy' is susceptible.				

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*7300005	June 1, 1976	Gold Kist, Incorporated	peanut	GK-19 (3)
<p>'GK-19' most closely resembles 'Starr' but 'GK-19' has a less upright habit, has a typical Virginia type branching and fruiting pattern vs. Spanish type, larger fruit (25.3 vs. 22.0 mm long) with little or no pod constriction vs. heavy constriction, larger seed (59 vs. 39 grs./100 seed), and a freckled vs. nonfreckled seedcoat, matures 10-15 days later in Georgia, has darker leaves, and a higher oleic/linoleic ratio (1.80 vs. 1.30) than 'Starr.'</p>				
7300055	June 1, 1976	Planting Seed Division of Agronomics, Inc.	cotton	Earlycot 31
<p>'Earlycot 31' most closely resembles 'Paymaster Dwarf' except that 'Earlycot 31' flowers 2 days earlier, has dark green leaves (vs. light), fine boll pitting (vs. coarse), stormproof bolls (vs. storm resistant), bracteole length is greater than width (vs. length is less than width), fine bracteole teeth (vs. coarse), and is susceptible to bacterial blight races 1 and 2 (vs. resistant) compared to 'Paymaster Dwarf.'</p>				
*7300094	June 1, 1976	Gold Kist, Incorporated	peanut	GK-3 (3)
<p>'GK-3' most closely resembles 'Florigiant' except 'GK-3' has larger fruit (40 mm vs. 35 mm long), larger seeds (18.8 vs. 17.3 mm long), rougher seedcoat, freckled vs. nonfreckled seedcoat, plant habit is less prostrate, main stem is 8 cm. taller at 110 days of age (57 cm vs. 49 cm), and in Virginia is 5 to 10 days later in maturing, and has lighter green leaves than 'Florigiant.'</p>				
7400066	June 1, 1976	Pickseed West, Inc.	Kentucky bluegrass	Touchdown
<p>'Touchdown' most closely resembles 'Merion' except 'Touchdown' has purple pigmentation of the panicle at time of anthesis, 6 day earlier anthesis date, and has larger seed (3.05 mm vs. 2.29 mm length).</p>				

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7500079	June 1, 1976	Northrup, King and Company	barley	Kombar (3)
'Kombar' is most similar to 'Briggs' but differs in that 'Kombar' flowers an average of 7 days later, is 5 cm. shorter and has stronger straw which is more resistant to lodging than 'Briggs.'				
'Kombar' has longer, more drooping heads than 'Briggs' and bright white kernels; whereas, those of 'Briggs' are yellow.				
7400040	June 18, 1976	W. Atlee Burpee Company	bean	Greensleeves
'Greensleeves' most closely resembles 'Richgreen' except for seed color. 'Greensleeves' is white-seeded; whereas, 'Richgreen' is dark purple-seeded.				
7400051	June 18, 1976	Asgrow Seed Company	cauliflower	Snowflower
'Snowflower' is one of the 'Snowball Y' type but 'Snowflower' matures 4-5 days earlier than 'Snowball Y' and has jacket leaves that are 3 cm. longer.				
**7400108	June 18, 1976	Nebraska A.E.S.	wheat	Buckskin (3)
'Buckskin' is most similar to 'Scout 66' but 'Buckskin' has longer beaks (9.1 versus 2.7 mm) and is resistant to soil-borne mosaic virus (moderate resistance versus susceptible).				
**7400110	June 18, 1976	Nebraska A.E.S.	wheat	Hi Plains (3)
'Hi Plains' is most similar to 'Gage' but 'Hi Plains' blooms one and one-half days later than 'Gage' in Nebraska. 'Hi Plains' can also be distinguished from 'Gage' by the mixogram pattern.				
7500050	June 18, 1976	Rogers Brothers Seed Company	bean	Splendorgold
'Splendorgold' most nearly resembles 'Kinghorn Wax' except 'Splendorgold' is resistant to Common Bean Mosaic BV 1 and NY 15 strains; whereas, 'Kinghorn Wax' is not resistant to Common Bean Mosaic. Also 'Splendorgold' has a grey-buff seed color; whereas, 'Kinghorn Wax' has white seeds.				

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7500051	June 18, 1976	Rogers Brothers Seed Company	pea	Melody
'Melody' most closely resembles 'Aurora' but differs by having darker green seed color, more double pods and by reaching freezing maturity one day later than 'Aurora.'				
7500055	June 18, 1976	Voris Seeds, Inc.	soybean	Voris 295
'Voris 295' most closely resembles 'Calland' but 'Voris 295' has gray plant pubescence and imperfect black hilum; whereas, 'Calland' has brown pubescence and black hilum.				
7500089	June 18, 1976	Delta and Pine Land Company	cotton	Deltapine SR-4
'Deltapine SR-4' most closely resembles 'Deltapine SR-2' but 'Deltapine SR-4' has 0.6 percent higher lint percent (22.4 vs. 21.8) and has a 0.03 inch shorter fiber length (1.00 vs. 1.03) than 'Deltapine SR-2.'				

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GENERAL INFORMATION

PV Statistics

As of July 1, 1976, the Plant Variety Protection Office had received 655 applications for protection of which 59 were from experiment stations and 49 from foreign sources. A total of 292 certificates of protection had been issued on 24 different species. One hundred thirty-four applications had been abandoned, denied, or ineligible, leaving 228 applications pending action. Seventy percent of the applications received on agricultural seed varieties specified that the variety was to be sold by variety name only as a class of certified seed. During the past fiscal year, 81 applications were received and 85 certificates were issued.

Meeting

The annual UPOV Council meeting is scheduled for October 13-15, 1976, in Geneva, Switzerland. The U.S. has been invited to send observers to the meeting. The agenda includes a report by the Committee of Experts on the Revision and Interpretation of the UPOV Convention (Constitution). Action by the Council on the report will indicate to what extent the UPOV Convention may be altered to accommodate the U.S. laws or to what extent the U.S. laws must be altered if membership by the U.S. in UPOV is desired.

Numbering System

Because of a shift in the beginning of the U.S. government's fiscal year, we shall have a three-month "transitional quarter" from July 1 to October 1. In order to keep account of our applications received during this period separately, they will be numbered TQ76001, TQ76002, etc. On October 1, 1976, we shall renew the usual numbering system of 7700001, 7700002, etc.

UNITED STATES DEPARTMENT OF
AGRICULTURE

Agricultural Marketing Service
Grain Division, Plant Variety
Protection Office
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